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OM protein - protein search, using SW model

Run on: March 13, 2003, 12:37:25 ; Search time 14.5 Seconds
(without alignments)
79.469 Million cell updates/sec

Title: US-09-913-524-1
Perfect score: 143
Sequence: 1 PMSPSALRLQRPPEPAHANCHR 25

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 199416 seqs, 46092074 residues

Total number of hits satisfying chosen parameters: 199416

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	143	100.0	367	9 US-09-813-398-18	Sequence 18, Appl
2	110	76.9	122	9 US-09-859-211-44	Sequence 44, Appl
3	110	76.9	122	9 US-09-880-708-22	Sequence 22, Appl
4	110	76.9	122	10 US-09-813-459-18	Sequence 18, Appl
5	106	74.1	121	12 US-10-115-406-18	Sequence 18, Appl
6	55.5	38.8	368	10 US-09-768-703-2	Sequence 2, Appl
7	54.5	38.1	1832	9 US-10-014-717-4	Sequence 4, Appl
8	51.5	36.0	116	10 US-09-864-761-40290	Sequence 40290, A
9	50.5	35.3	2439	9 US-10-014-717-7	Sequence 7, Appl
10	48.5	33.9	888	9 US-10-036-041-35	Sequence 35, Appl
11	48.5	33.9	888	9 US-10-028-072-544	Sequence 544, Appl
12	48.5	33.9	888	9 US-10-035-855-35	Sequence 35, Appl
13	48.5	33.9	888	9 US-10-121-049-544	Sequence 544, Appl
14	48.5	33.9	888	9 US-10-123-904-544	Sequence 544, Appl
15	48.5	33.9	888	9 US-10-140-470-544	Sequence 544, Appl
16	48.5	33.9	888	9 US-09-931-836-35	Sequence 35, Appl
17	48.5	33.9	888	9 US-10-175-746-544	Sequence 544, Appl
18	48.5	33.9	888	9 US-10-176-918-544	Sequence 544, Appl
19	48.5	33.9	888	9 US-10-176-921-544	Sequence 544, Appl

20	48.5	33.9	888	9 US-10-036-214-35	Sequence 35, Appl
21	48.5	33.9	888	9 US-10-137-865-544	Sequence 544, Appl
22	48.5	33.9	888	9 US-10-140-474-544	Sequence 544, Appl
23	48.5	33.9	888	9 US-10-035-719-35	Sequence 35, Appl
24	48.5	33.9	888	9 US-10-14-131-544	Sequence 34, Appl
25	48.5	33.9	888	9 US-10-143-114-544	Sequence 544, Appl
26	48.5	33.9	888	9 US-10-140-012-544	Sequence 544, Appl
27	48.5	33.9	888	9 US-10-036-160-35	Sequence 35, Appl
28	48.5	33.9	888	9 US-10-142-419-544	Sequence 544, Appl
29	48.5	33.9	888	12 US-10-036-342-35	Sequence 35, Appl
30	48	33.6	398	10 US-09-796-338A-17	Sequence 17, Appl
31	47	32.9	568	9 US-09-738-626-5622	Sequence 5622, Appl
32	47	32.9	568	10 US-09-950-788-2	Sequence 2, Appl
33	47	32.9	568	10 US-09-950-788-4	Sequence 4, Appl
34	47	32.9	568	10 US-09-950-788-7	Sequence 7, Appl
35	46.5	32.5	108	9 US-10-011-445-54	Sequence 54, Appl
36	46	32.2	140	10 US-09-925-301-1371	Sequence 1371, Appl
37	46	32.2	1493	10 US-09-858-754-3	Sequence 3, Appl
38	46	32.2	1493	12 US-10-000-864-8	Sequence 8, Appl
39	45.5	31.8	60	8 US-08-424-550B-598	Sequence 598, Appl
40	45.5	31.8	169	10 US-09-925-301-1172	Sequence 1172, Appl
41	45.5	31.8	200	9 US-09-866-050A-715	Sequence 715, Appl
42	45	31.5	1136	10 US-09-854-845-12	Sequence 12, Appl
43	45	31.5	1151	10 US-09-854-845-10	Sequence 10, Appl
44	45	31.5	1551	10 US-09-970-318-4	Sequence 4, Appl
45	44.5	31.1	7257	9 US-10-014-717-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1
US-09-813-398-18
Sequence 18, Application US/09813398
Patent No. US20020169292A1
GENERAL INFORMATION:
APPLICANT: Bruce D. Weintraub
APPLICANT: Mariusz W. Skudlinski
APPLICANT: University of Maryland
TITLE OF INVENTION: CYSTINE KNOT GROWTH FACTOR MUTANTS
FILE REFERENCE: USFMD-003C1
CURRENT APPLICATION NUMBER: US/09/813,398
CURRENT FILING DATE: 2001-03-20
PRIOR APPLICATION NUMBER: PCT/US99/05908
PRIOR FILING DATE: 1999-03-19
PRIOR APPLICATION NUMBER: PCT/US98/19772
PRIOR FILING DATE: 1998-09-22
NUMBER OF SEQ ID NOS: 41
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 18
LENGTH: 367
TYPE: PRT
ORGANISM: HOMO SAPIEN
US-09-813-398-18

Query Match 100.0%; Score 143; DB 9; Length 367;
Best Local Similarity 100.0%; Pred No. 4e-12;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PMSPSALRLQRPPEPAHANCHR 25
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Db 241 PMSPSALRLQRPPEPAHANCHR 265

RESULT 2
US-09-859-211-44
Sequence 44, Application US/09859211
Patent No. US20020157125A1
GENERAL INFORMATION:
APPLICANT: Lee, Se-Jin
APPLICANT: McPherson, Alexandra C.
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
FILE REFERENCE: 07265/144001

? CURRENT APPLICATION NUMBER: US/09/859,211
? CURRENT FILING DATE: 2001-05-15
? PRIOR APPLICATION NUMBER: 09/019,070
? PRIOR FILING DATE: 1998-02-05
? PRIOR APPLICATION NUMBER: 08/862,445
? PRIOR FILING DATE: 1997-05-23
? PRIOR APPLICATION NUMBER: 08/847,910
? PRIOR FILING DATE: 1997-04-28
? PRIOR APPLICATION NUMBER: 08/795,071
? PRIOR FILING DATE: 1997-02-05
? PRIOR APPLICATION NUMBER: 08/525,596
? PRIOR FILING DATE: 1995-10-26
? PRIOR APPLICATION NUMBER: PCF/US94/03019
? PRIOR FILING DATE: 1994-03-18
? PRIOR APPLICATION NUMBER: 08/033,923
? PRIOR FILING DATE: 1993-03-19
? NUMBER OF SEQ ID NOS: 51
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 44
? LENGTH: 122
? TYPE: PRT
? ORGANISM: Homo sapiens
US-09-859-211-44

Query Match 76.9%; Score 110; DB 9; Length 122;
Best Local Similarity 100.0%; Pred. No. 3.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPAHANCHR 25
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DB 1 ALRLQRPPEPAHANCHR 20

RESULT 3
US-09-880-708-22
? Sequence 22, Application US/09880708
? Patent No. US20020165361A1
? GENERAL INFORMATION:
? APPLICANT: Lee, Se-Jin
? Huiyh, Thanh
? TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
? NUMBER OF SEQUENCES: 28
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Gray Cary Ware & Freidenrich LLP
? STREET: 4365 Executive Drive, Suite 1600
? CITY: San Diego
? STATE: CA
? COUNTRY: USA
? ZIP: 92121-2189
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Diskette
? COMPUTER: IBM Compatible
? OPERATING SYSTEM: Windows95
? SOFTWARE: FastSeq for Windows Version 2.0
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/880,708
? FILING DATE: 12-Jun-2001
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 09/145,060
? FILING DATE: <Unknown>
? APPLICATION NUMBER: 08/003,144
? FILING DATE: 12-JAN-1993
? ATTORNEY/AGENT INFORMATION:
? NAME: Lisa A. Halle, Ph.D.
? REGISTRATION NUMBER: 38,347
? REFERENCE/DOCKET NUMBER: 07265/057002
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 858/677-1456
? TELEFAX: 619/677-1465
? INFORMATION FOR SEQ ID NO: 22:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 122 amino acids
? TYPE: amino acid

? TOPOLOGY: linear
? MOLECULE TYPE: protein
? IMMEDIATE SOURCE:
? CLONE: Inhibit-alpha
? SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-880-708-22

Query Match 76.9%; Score 110; DB 9; Length 122;
Best Local Similarity 100.0%; Pred. No. 3.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPAHANCHR 25
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DB 1 ALRLQRPPEPAHANCHR 20

RESULT 4
US-09-813-459-18
? Sequence 18, Application US/09813459
? Patent No. US20020107369A1
? GENERAL INFORMATION:
? APPLICANT: Lee, Se-Jin
? Cunningham, No. US20020107369A1
? TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10
? NUMBER OF SEQUENCES: 26
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Spensley Horn Jubas & Lambitz
? STREET: 1880 Century Park East, Suite 500
? CITY: Los Angeles
? STATE: California
? COUNTRY: USA
? ZIP: 90067
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatib.e
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/813,459
? FILING DATE: 20-Mar-2001
? CLASSIFICATION: <Unknown>
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 08/624,635
? FILING DATE: <Unknown>
? ATTORNEY/AGENT INFORMATION:
? NAME: Welherell, Jr., Ph.D., John R.
? REGISTRATION NUMBER: 41,678
? REFERENCE/DOCKET NUMBER: RD-3054
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (619) 455-5100
? TELEFAX: (619) 455-5110
? INFORMATION FOR SEQ ID NO: 18:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 122 amino acids
? TYPE: amino acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? IMMEDIATE SOURCE:
? CLONE: Inhibit-alpha
? FEATURE:
? NAME/KEY: Protein
? LOCATION: 1..122
? SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-09-813-459-18

Query Match 76.9%; Score 110; DB 10; Length 122;
Best Local Similarity 100.0%; Pred. No. 3.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPAHANCHR 25
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DB 1 ALRLQRPPEPAHANCHR 20

RESULT 5

US-10-115-406-18

Sequence 18, Application US/10115406

Patent No. US20020127612A1

GENERAL INFORMATION:

APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE

APPLICANT: Lee, Se-Jin

TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-9

FILE REFERENCE: JH01190-3

CURRENT APPLICATION NUMBER: US/10/115,406

PRIOR FILING DATE: 2002-04-02

PRIOR APPLICATION NUMBER: 09/301,520

PRIOR FILING DATE: 1999-04-28

PRIOR APPLICATION NUMBER: US 09/172,062

PRIOR FILING DATE: 1998-10-13

PRIOR APPLICATION NUMBER: US 08/491,835

PRIOR FILING DATE: 1995-10-23

PRIOR APPLICATION NUMBER: PCT/US94/00685

PRIOR FILING DATE: 1994-01-12

PRIOR APPLICATION NUMBER: US 08/003,303

PRIOR FILING DATE: 1993-01-12

NUMBER OF SEQ ID NOS: 28

SOFTWARE: PatentIn Version 3.0

SEQ ID NO 18

LENGTH: 121

TYPE: PRT

ORGANISM: Homo sapiens

US-10-115-406-18

Query Match

Best Local Similarity 74.1%; Score 106; DB 12; Length 121;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 LRLQRPPEPAHANCHR 25

DB 1 LRLQRPPEPAHANCHR 19

RESULT 6

US-09-768-703-2

Sequence 2, Application US/09768703

Patent No. US20020098538A1

GENERAL INFORMATION:

APPLICANT: SHARON, USMAN

APPLICANT: ELSHORRAGY, NABIL

TITLE OF INVENTION: 7TM RECEPTOR (AXOR23)

FILE REFERENCE: GP-30197 C1

CURRENT APPLICATION NUMBER: US/09/768,703

PRIOR FILING DATE: 2001-01-24

PRIOR APPLICATION NUMBER: UK 9905317.5

PRIOR FILING DATE: 1999-03-09

PRIOR APPLICATION NUMBER: 09/396,610

PRIOR FILING DATE: 1998-09-15

NUMBER OF SEQ ID NOS: 2

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 2

LENGTH: 368

TYPE: PRT

ORGANISM: HOMO SAPIENS

US-09-768-703-2

Query Match

Best Local Similarity 38.8%; Score 55.5; DB 10; Length 368;

Matches 12; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

QY 2 WPSA-IRLQRPPEPA 18

DB 321 WHPRALICLQRPPEGPA 338

RESULT 7

US-10-014-717-4

Sequence 4, Application US/10014717

Publication No. US2002019278A1

GENERAL INFORMATION:

APPLICANT: Schupp, Thomas

APPLICANT: Ligon, James

APPLICANT: Molnar, Istvan

APPLICANT: Zikic, Ross

APPLICANT: Cyr, Devon

TITLE OF INVENTION: GENES FOR THE BIOSYNTHESIS OF EPICOTYONES

FILE REFERENCE: 4-30582A

CURRENT APPLICATION NUMBER: US/10/014,717

PRIOR FILING DATE: 2001-11-14

PRIOR APPLICATION NUMBER: US/09/435,409

PRIOR FILING DATE: 1999-06-17

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 4

LENGTH: 1832

TYPE: PRT

ORGANISM: Sorangium cellulosum

US-10-014-717-4

Query Match

Best Local Similarity 38.1%; Score 54.5; DB 9; Length 1832;

Matches 13; Conservative 1; Mismatches 7; Indels 3; Gaps 1;

QY 1 EWSP---SAILRLQRPPEPAHA 21

DB 1123 PWPVELSLRLQRPSELGCHA 1146

RESULT 8

US-09-864-761-40290

Sequence 40290, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharon G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL I

FILE REFERENCE: Aecm19-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

PRIOR FILING DATE: 2001-05-24

PRIOR APPLICATION NUMBER: US 60/180,412

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

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? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00670
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: US 60/234,687
? PRIOR FILING DATE: 2000-09-21
? PRIOR APPLICATION NUMBER: US 09/608,408
? PRIOR FILING DATE: 2000-06-30
? PRIOR APPLICATION NUMBER: US 09/774,203
? PRIOR FILING DATE: 2001-01-29
? NUMBER OF SEQ ID NOS: 49117
? SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
? SEQ ID NO 40290
? LENGTH: 116
? TYPE: PRI
? ORGANISM: Homo sapiens
? FEATURE:
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? OTHER INFORMATION: EXPRESSED IN HEPA, SIGNAL = 5.7
? OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 5.1
? OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.3
? OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 4.5
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? OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 5.4
? US-09-864-761-40290

Query Match          36.0%; Score 51.5; DB 10; Length 116;
Best Local Similarity 37.1%; Pred. No. 3.7;
Matches 13; Conservative 1; Mismatches 10; Indels 11; Gaps 1;

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DB 82 PPSPALRLDQRPPEPRLPQYNNHNCNNCH 116

RESULT 9
US-10-014-717-7
? Sequence 7, Application US/10014717
? Publication No. US2002019278A1
? GENERAL INFORMATION:
? APPLICANT: Schupp, Thomas
? APPLICANT: Ligon, James
? APPLICANT: Molnar, Istvan
? APPLICANT: Zikler, Ross
? APPLICANT: Cyr, Devon
? TITLE OF INVENTION: GENES FOR THE BIOSYNTHESIS OF EPOPHILONES
? FILE REFERENCE: 4-30582A
? CURRENT APPLICATION NUMBER: US/10/014,717
? PRIOR APPLICATION NUMBER: 2001-11-13
? PRIOR FILING DATE: 1999-06-17
? NUMBER OF SEQ ID NOS: 30
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 7
? LENGTH: 2439
? TYPE: PRT
? ORGANISM: Sorangium cellulosum
? US-10-014-717-7

Query Match          35.3%; Score 50.5; DB 9; Length 2439;
Best Local Similarity 45.8%; Pred. No. 1.4e+02;
Matches 11; Conservative 3; Mismatches 7; Indels 3; Gaps 1;
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US-10-036-041-35
? Sequence 35, Application US/10036041
? Publication No. US20020192751A1
? GENERAL INFORMATION:
? APPLICANT: Desnoyers, Luc
? APPLICANT: Eaton, Dan L.
? APPLICANT: Goddard, Audrey
? APPLICANT: Godowski, Paul J.
? APPLICANT: Gurney, Austin L.
? APPLICANT: Pan, James
? APPLICANT: Stewart, Timothy A.
? APPLICANT: Watanabe, Colin K.
? APPLICANT: Wood, William T.
? TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
? FILE REFERENCE: P3030R1C8
? CURRENT APPLICATION NUMBER: US/10/036,041
? CURRENT FILING DATE: 2001-12-26
? PRIOR APPLICATION NUMBER: 60/085579
? PRIOR FILING DATE: 1998-05-15
? PRIOR APPLICATION NUMBER: 60/112514
? PRIOR FILING DATE: 1998-12-15
? PRIOR APPLICATION NUMBER: 60/113300
? PRIOR FILING DATE: 1998-12-22
? PRIOR APPLICATION NUMBER: 60/113440
? PRIOR FILING DATE: 1998-12-23
? PRIOR APPLICATION NUMBER: 60/113605
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? PRIOR APPLICATION NUMBER: 60/113621
? PRIOR FILING DATE: 1998-12-23
? PRIOR APPLICATION NUMBER: 60/114140
? PRIOR FILING DATE: 1998-12-23
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? PRIOR FILING DATE: 1999-01-22
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? PRIOR FILING DATE: 1999-03-23
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? PRIOR APPLICATION NUMBER: 09/908,827
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? PRIOR APPLICATION NUMBER: PCT/US99/30720
? PRIOR FILING DATE: 1999-12-22
? PRIOR APPLICATION NUMBER: PCT/US00/05601
? PRIOR FILING DATE: 2000-03-01
? PRIOR APPLICATION NUMBER: PCT/US00/05841
? PRIOR FILING DATE: 2000-03-02
? PRIOR APPLICATION NUMBER: PCT/US00/14042
? PRIOR FILING DATE: 2000-05-22
? PRIOR APPLICATION NUMBER: PCT/US00/15264
? PRIOR FILING DATE: 2000-06-02
? PRIOR APPLICATION NUMBER: PCT/US00/23522
? PRIOR FILING DATE: 2000-08-23
? PRIOR APPLICATION NUMBER: PCT/US00/23328
? PRIOR FILING DATE: 2000-08-24
? PRIOR APPLICATION NUMBER: PCT/US00/32678
? PRIOR FILING DATE: 2000-12-01
? PRIOR APPLICATION NUMBER: PCT/US00/34956
? PRIOR FILING DATE: 2000-12-20
? PRIOR APPLICATION NUMBER: PCT/US01/06520
? PRIOR FILING DATE: 2001-02-28
? PRIOR APPLICATION NUMBER: PCT/US01/17800
? PRIOR FILING DATE: 2001-06-01
? PRIOR APPLICATION NUMBER: PCT/US01/19692
? PRIOR FILING DATE: 2001-06-20
? PRIOR APPLICATION NUMBER: PCT/US01/21066
? PRIOR FILING DATE: 2001-06-29
? PRIOR APPLICATION NUMBER: PCT/US01/21735
? PRIOR FILING DATE: 2001-07-09
? NUMBER OF SEQ ID NOS: 80
? SEQ ID NO 35
? LENGTH: 898
? TYPE: PRT
? ORGANISM: Homo Sapien
US-10-036-041-35

Query Match          33.9%  Score 48.5;  DB 9;  length 888;
Best Local Similarity 28.9%  Pred. No. 86;
Matches 13;  Conservative 1;  Mismatches 10;  Indels 21;  Gaps 2;

QY      1  PWSPSA:RLIQR--PEEPA-----HANCH 24
Db      820 PWSPPGSLRPLGPHAPRATLRHTFNSGAPRGDRHCH 864

RESULT 11
US-10-028-072-544
; Sequence 544, Application US/10028072
; Publication No. US20030004311A1
; GENERAL INFORMATION:

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? APPLICANT: Matanabe, Colin K.
? APPLICANT: Zhao, Zemin
? TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
? FILE OF INVENTION: ACIDS ENCODING THE SAME
? FILE REFERENCE: 83030R1C4
? CURRENT APPLICATION NUMBER: US/10/035,855
? PRIOR APPLICATION NUMBER: 2001-12-26
? PRIOR FILING DATE: 1998-05-15
? PRIOR APPLICATION NUMBER: 60/112514
? PRIOR FILING DATE: 1998-12-15
? PRIOR APPLICATION NUMBER: 60/113300
? PRIOR FILING DATE: 1998-12-22
? PRIOR APPLICATION NUMBER: 60/114300
? PRIOR FILING DATE: 1998-12-23
? PRIOR APPLICATION NUMBER: 60/113605
? PRIOR FILING DATE: 1998-12-23
? PRIOR APPLICATION NUMBER: 60/113621
? PRIOR FILING DATE: 1998-12-23
? PRIOR APPLICATION NUMBER: 60/114140
? PRIOR FILING DATE: 1998-12-23
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? PRIOR FILING DATE: 1999-01-12
? PRIOR APPLICATION NUMBER: 60/116843
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? PRIOR FILING DATE: 1999-03-23
? PRIOR APPLICATION NUMBER: 60/125778
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? PRIOR APPLICATION NUMBER: 60/125826
? PRIOR FILING DATE: 1999-03-24
? PRIOR APPLICATION NUMBER: 60/127035
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? PRIOR APPLICATION NUMBER: 60/127706
? PRIOR FILING DATE: 1999-04-05
? PRIOR APPLICATION NUMBER: 60/129122
? PRIOR FILING DATE: 1999-04-13
? PRIOR APPLICATION NUMBER: 60/130359
? PRIOR FILING DATE: 1999-04-21
? PRIOR APPLICATION NUMBER: 60/131270
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? PRIOR APPLICATION NUMBER: 60/132379
? PRIOR FILING DATE: 1999-05-04
? PRIOR APPLICATION NUMBER: 60/132383
? PRIOR FILING DATE: 1999-05-04
? PRIOR APPLICATION NUMBER: 60/135750
? PRIOR FILING DATE: 1999-05-25
? PRIOR APPLICATION NUMBER: 60/138166
? PRIOR FILING DATE: 1999-06-08
? PRIOR APPLICATION NUMBER: 60/144791
? PRIOR FILING DATE: 1999-07-20
? PRIOR APPLICATION NUMBER: 60/146970
? PRIOR FILING DATE: 1999-08-03
? PRIOR APPLICATION NUMBER: 60/162506
? PRIOR FILING DATE: 1999-10-28
? PRIOR APPLICATION NUMBER: 09/311832
? PRIOR FILING DATE: 1999-05-14
? PRIOR APPLICATION NUMBER: 09/380142
? PRIOR FILING DATE: 1999-08-25
? PRIOR APPLICATION NUMBER: 09/644848
? PRIOR FILING DATE: 2000-08-22
? PRIOR APPLICATION NUMBER: 09/747259
? PRIOR FILING DATE: 2000-12-20
? PRIOR APPLICATION NUMBER: 09/816744
? PRIOR FILING DATE: 2001-03-22
? PRIOR APPLICATION NUMBER: 09/854208

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? PRIOR FILING DATE: 2001-05-10
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? PRIOR FILING DATE: 2001-05-10
? PRIOR APPLICATION NUMBER: 09/874503
? PRIOR FILING DATE: 2001-06-05
? PRIOR APPLICATION NUMBER: 09/869599
? PRIOR FILING DATE: 2001-06-29
? PRIOR APPLICATION NUMBER: 09/908,827
? PRIOR FILING DATE: 2001-07-18
? PRIOR APPLICATION NUMBER: PCT/US99/10733
? PRIOR FILING DATE: 1999-05-14
? PRIOR APPLICATION NUMBER: PCT/US99/28551
? PRIOR FILING DATE: 1999-12-02
? PRIOR APPLICATION NUMBER: PCT/US99/30720
? PRIOR FILING DATE: 1999-12-22
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? PRIOR FILING DATE: 2000-03-01
? PRIOR APPLICATION NUMBER: PCT/US00/05841
? PRIOR FILING DATE: 2000-03-02
? PRIOR APPLICATION NUMBER: PCT/US00/14042
? PRIOR FILING DATE: 2000-05-22
? PRIOR APPLICATION NUMBER: PCT/US00/15264
? PRIOR FILING DATE: 2000-06-02
? PRIOR APPLICATION NUMBER: PCT/US00/23522
? PRIOR FILING DATE: 2000-08-23
? PRIOR APPLICATION NUMBER: PCT/US00/23328
? PRIOR FILING DATE: 2000-08-24
? PRIOR APPLICATION NUMBER: PCT/US00/32678
? PRIOR FILING DATE: 2000-12-01
? PRIOR APPLICATION NUMBER: PCT/US00/34956
? PRIOR FILING DATE: 2000-12-20
? PRIOR APPLICATION NUMBER: PCT/US01/06520
? PRIOR FILING DATE: 2001-02-28
? PRIOR APPLICATION NUMBER: PCT/US01/17800
? PRIOR FILING DATE: 2001-06-01
? PRIOR APPLICATION NUMBER: PCT/US01/19692
? PRIOR FILING DATE: 2001-06-20
? PRIOR APPLICATION NUMBER: PCT/US01/21066
? PRIOR FILING DATE: 2001-06-29
? PRIOR APPLICATION NUMBER: PCT/US01/21735
? PRIOR FILING DATE: 2001-07-09
? NUMBER OF SEQ ID NOS: 80
? SEQ ID NO 35
? LENGTH: 888
? TYPE: PRT
? ORGANISM: Homo Sapien
? US-10-035-955-35

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Best Local Similarity 28.9%; Pred. No. 86;
Matches 13; Conservative 1; Mismatches 10; Indels 21; Gaps 2;

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Db      820 PMSPTGSLRRPLGHPAPPAATIRHTFNSGARGDHRGCH 864

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? Sequence 544, Application US/10121049
? Publication No. US20030022239A1
? GENERAL INFORMATION:
? APPLICANT: Baker, Kevin P.
? APPLICANT: Beresini, Maureen
? APPLICANT: Deforge, Laura
? APPLICANT: Desnoyers, Luc
? APPLICANT: Flivatoft, Ellen
? APPLICANT: Gao, Wei-Qiang
? APPLICANT: Gerritsen, Mary E.
? APPLICANT: Godowski, Paul J.
? APPLICANT: Gurney, Austin L.
? APPLICANT: Sherwood, Steven

```

```
? APPLICANT: Smith,Victoria
? APPLICANT: Stewart,Timothy A.
? APPLICANT: Tumas,Daniel
? APPLICANT: Watanabe,Colin K
? APPLICANT: Wood,William
? APPLICANT: Zhang,Zemin
? TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
? FILE REFERENCE: P3330R1C17
? CURRENT APPLICATION NUMBER: US/10/121,049
? CURRENT FILING DATE: 2002-04-12
? Prior Application removed - See File Wrapper or Palm
? NUMBER OF SEQ ID NOS: 550
? SEQ ID NO 544
? LENGTH: 888
? TYPE: PRT
? ORGANISM: Homo Sapien
? US-10-121-049-544
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Query Match          33.9%; Score 48.5; Db 9; Length 888;
Best Local Similarity 28.9%; Pred. No. 86;
Matches 13; Conservative 1; Mismatches 10; Indels 21; Gaps 2;
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OY 1 PMSPSALRLQRP--PEEPAA-----HANCH 24
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Db 820 PMSPPPTGSLRRRLGPHAPPAATLRRTHTFNSGEARPCDRHRCCH 864
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RESULT 14

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US-10-123-904-544
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? Sequence 544, Application US/10123904
? Publication No. US20030022328A1
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? GENERAL INFORMATION:
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? APPLICANT: Baker,Kevin P.
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? APPLICANT: Beresini,Maureen
```

```
? APPLICANT: Deforge,Laura
```

```
? APPLICANT: Desnoyers,Luc
```

```
? APPLICANT: Filvaroff,Ellen
```

```
? APPLICANT: Gao,Wei-Qiang
```

```
? APPLICANT: Geritsen,Mary E.
```

```
? APPLICANT: Goddard,Audrey
```

```
? APPLICANT: Godowski,Paul J.
```

```
? APPLICANT: Gurney,Austin L.
```

```
? APPLICANT: Sherwood,Steven
```

```
? APPLICANT: Smith,Victoria
```

```
? APPLICANT: Stewart,Timothy A.
```

```
? APPLICANT: Tumas,Daniel
```

```
? APPLICANT: Watanabe,Colin K
```

```
? APPLICANT: Wood,William
```

```
? APPLICANT: Zhang,Zemin
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```
? TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
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```
? FILE REFERENCE: P3330R1C54
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? CURRENT APPLICATION NUMBER: US/10/123,904
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? CURRENT FILING DATE: 2002-04-16
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? Prior Application removed - See File Wrapper or Palm
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? NUMBER OF SEQ ID NOS: 550
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? SEQ ID NO 544
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? LENGTH: 888
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? TYPE: PRT
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? ORGANISM: Homo Sapien
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US-10-123-904-544
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Query Match          33.9%; Score 48.5; Db 9; Length 888;
Best Local Similarity 28.9%; Pred. No. 86;
Matches 13; Conservative 1; Mismatches 10; Indels 21; Gaps 2;
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Db 820 PMSPPPTGSLRRRLGPHAPPAATLRRTHTFNSGEARPCDRHRCCH 864
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RESULT 15

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US-10-140-470-544
? Sequence 544, Application US/10140470
? Publication No. US20030022331A1
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? GENERAL INFORMATION:
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? APPLICANT: Baker,Kevin P.
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? APPLICANT: Beresini,Maureen
```

```
? APPLICANT: Deforge,Laura
```

```
? APPLICANT: Desnoyers,Luc
```

```
? APPLICANT: Filvaroff,Ellen
```

```
? APPLICANT: Gao,Wei-Qiang
```

```
? APPLICANT: Geritsen,Mary E.
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? APPLICANT: Goddard,Audrey
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```
? APPLICANT: Godowski,Paul J.
```

```
? APPLICANT: Gurney,Austin L.
```

```
? APPLICANT: Sherwood,Steven
```

```
? APPLICANT: Smith,Victoria
```

```
? APPLICANT: Stewart,Timothy A.
```

```
? APPLICANT: Tumas,Daniel
```

```
? APPLICANT: Watanabe,Colin K
```

```
? APPLICANT: Wood,William
```

```
? APPLICANT: Zhang,Zemin
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```
? TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
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? FILE REFERENCE: P3330R1C10
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? CURRENT APPLICATION NUMBER: US/10/140,470
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? CURRENT FILING DATE: 2002-05-06
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? Prior Application removed - See Palm or File Wrapper
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? NUMBER OF SEQ ID NOS: 550
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? SEQ ID NO 544
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? LENGTH: 888
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? TYPE: PRT
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? ORGANISM: Homo Sapien
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US-10-140-470-544
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```
Query Match          33.9%; Score 48.5; Db 9; Length 888;
Best Local Similarity 28.9%; Pred. No. 86;
Matches 13; Conservative 1; Mismatches 10; Indels 21; Gaps 2;
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OY 1 PMSPSALRLQRP--PEEPAA-----HANCH 24
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Db 820 PMSPPPTGSLRRRLGPHAPPAATLRRTHTFNSGEARPCDRHRCCH 864
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Search completed: March 13, 2003, 16:18:15
Job time : 15.5 secs
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